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Ando et al.

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(54) **DATA RECORDING MEDIUM, DATA RECORDING METHOD AND DATA REPRODUCING METHOD**

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(57) **ABSTRACT**

This invention is to record data and skip an ECC block containing a defective sector when the defective sector is detected in an optical disk in which data is recorded in an ECC block unit constructed by 16 sectors and record a physical block number obtained by adding an amount of 16 sectors for each skipping into a reserve field of each sector of a next ECC block. Thus, continuous data such as moving pictures can be recorded in the ECC block unit, an ECC block containing the defective sector can be detected later in a case wherein the power supply is turned OFF by mistake or power failure in the course of recording when the recording process is effected while skipping an ECC block containing a defective sector, and data recorded up to the interruption can be reproduced without being influenced by the defective sector.

**18 Claims, 14 Drawing Sheets**

